



ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL A. ABRACZINSKAS
Director

XXXX, 2018

Mr. Daron Hyatt
Plant Manager
Auria Albemarle, LLC
PO Box 580
Albemarle, North Carolina 28002

SUBJECT: Air Quality Permit No. 05825T12
Facility ID: 8400016
Auria Albemarle, LLC
Albemarle, North Carolina
Stanly County
Fee Class: Title V
PSD Status: Major

Dear Mr. Hyatt:

In accordance with your completed Air Quality Permit Application for renewal of your Title V permit and ownership change received October 23, 2017, we are forwarding herewith Air Quality Permit No. 05825T12 to Auria Albemarle, LLC, 313 Bethany Road, Albemarle, North Carolina, authorizing the construction and operation of the emission source(s) and associated air pollution control device(s) specified herein. Additionally, any emissions activities determined from your Air Quality Permit Application as being insignificant per 15A North Carolina Administrative Code 02Q .0503(8) have been listed for informational purposes as an "ATTACHMENT." Please note the requirements for the annual compliance certification are contained in General Condition P in Section 3. The current owner is responsible for submitting a compliance certification for the entire year regardless of who owned the facility during the year.

As the designated responsible official, it is your responsibility to review, understand, and abide by all of the terms and conditions of the attached permit. It is also your responsibility to ensure that any person who operates any emission source and associated air pollution control device subject to any term or condition of the attached permit reviews, understands, and abides by the condition(s) of the attached permit that are applicable to that particular emission source.

If any parts, requirements, or limitations contained in this Air Quality Permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this permit, identifying the specific issues to be contested. This hearing request must be in the form of a written petition, conforming to NCGS (North Carolina General Statutes) 150B-23, and filed with both the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, North Carolina 27699-6714 and the Division of Air Quality, Permitting Section, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Please note that this permit will be stayed in its entirety upon

receipt of the request for a hearing. Unless a request for a hearing is made pursuant to NCGS 150B-23, this Air Quality Permit shall be final and binding 30 days after issuance.

You may request modification of your Air Quality Permit through informal means pursuant to NCGS 150B-22. This request must be submitted in writing to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that this Air Quality Permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under NCGS 150B-23.

The construction of new air pollution emission source(s) and associated air pollution control device(s), or modifications to the emission source(s) and air pollution control device(s) described in this permit must be covered under an Air Quality Permit issued by the Division of Air Quality prior to construction unless the Permittee has fulfilled the requirements of NCGS 143-215.108A(b) and received written approval from the Director of the Division of Air Quality to commence construction. Failure to receive an Air Quality Permit or written approval prior to commencing construction is a violation of NCGS 143-215.108A and may subject the Permittee to civil or criminal penalties as described in NCGS 143-215.114A and 143-215.114B.

Stanly County has triggered increment tracking under PSD for SO₂, NO_x, and PM₁₀. However, this permit renewal/ownership change does not consume or expand increments for any pollutants.

This Air Quality Permit shall be effective from XXXX 2018 until XXXX, 2023, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein. Should you have any questions concerning this matter, please contact Betty Gatano, P.E., at (919) 707-8736 or Betty.Gatano@ncdenr.gov.

Sincerely yours,

William D. Willets, P.E., Chief, Permitting Section
Division of Air Quality, NCDEQ

Enclosure

c: Heather Ceron, EPA Region 4
Bruce Ingle, Supervisor, Mooresville Regional Office
Central Files
Connie Horn (cover letter only)

ATTACHMENT to Permit No. 05825T12

Insignificant Activities per 15A NCAC 02Q .0503(8)

Emission Source ID No.	Emission Source Description
I-1	Dye preparation area
I-2.1 through I-2.3	Three 30,000 gallon propane tanks
I-3	One 200,000 gallon No.2 fuel oil tank
I-4.1 through I-4.3	Three 5,800 gallon latex tanks
I-5	One 5,500 gallon latex tank
I-6	One 290 gallon diesel fuel tank
I-7 GACT CCCCCC	One 500 gallon gasoline tank
I-8.1 and I-8.2	Two 1,000 gallon propane tanks
I-9.1 and I-9.2	Two 120 gallon propane tanks
I-10	One 500 gallon propane tank
I-11	One 250 gallon propane tank
I-12	One 290 gallon diesel fuel tank

1. Because an activity is insignificant does not mean that the activity is exempted from an applicable requirement or that the Permittee is exempted from demonstrating compliance with any applicable requirement.
2. When applicable, emissions from stationary source activities identified above shall be included in determining compliance with the permit requirements for toxic air pollutants under 15A NCAC 02D .1100 "Control of Toxic Air Pollutants" or 02Q .0711 "Emission Rates Requiring a Permit."
3. For additional information regarding the applicability of MACT or GACT see the DAQ page titled "Specific Permit Conditions Regulatory Guide." The link to this site is as follows: <http://deq.nc.gov/about/divisions/air-quality/air-quality-permits/specific-permit-conditions-regulatory-guide>.

Summary of Changes to Permit

The following changes were made to the Auria Albemarle, LLC, Albemarle, Air Permit No. 05825T11:

Old Numbering		New Numbering		Description of Changes
Page	Section	Page	Section	
Cover and throughout		--	-	Updated all dates and permit revision numbers.
--	Insignificant Activities	--	Insignificant Activities	<ul style="list-style-type: none"> Added GACT Subpart CCCCCC label on gasoline storage tank (ID No. I-7). Updated footnote.
3	1.0 – Equipment List	3	1.0 – Equipment List	<ul style="list-style-type: none"> Removed natural gas/propane-fired drying unit (ID No. ES-RR4) (Continuous Dye Range #3) Removed natural gas/propane-fired drying unit (ID No. ES-CDR3) (Refinishing Range #4)
5 – 7	2.1 A.4	5 – 7	2.1 A.4	Updated GACT Subpart JJJJJ condition for boilers (ID Nos. ES-B1 and ES-B2) with most current permitting language.
8 – 9	2.1 B.1.d – i	8	2.1 B.1.d	<ul style="list-style-type: none"> Removed the MRR requirements under 15A NCAC 02D .0503 for boiler (ID No. ES-B3). Specified the MRR requirements under Sections 2.1 B.4.g, h, o, and p for BACT are sufficient for 15A NCAC 02D .0503.
9 – 10	2.1 B.2.d – g	8	2.1 B.2.d	<ul style="list-style-type: none"> Removed the MRR requirements under 15A NCAC 02D .0516 for boiler (ID No. ES-B3). Specified the MRR requirements under Sections 2.1 B.4.f and p for BACT are sufficient for 15A NCAC 02D .0516.
10	2.1 B.3.d	9	2.1 B.3.d	Updated monitoring condition under 15A NCAC 02D .0521 to reflect the most current permit language.
10	2.1 B.3.e	--	--	Removed statement “See Section 2.1 B.4 for additional monitoring and recordkeeping requirements for PSD/BACT” and renumbered permit accordingly.
11	2.1 B.4.b.i	10	2.1 B.4.b.i	Removed label “State-Enforceable Only.” Rule 15A NCAC 02D .0535(g) is now federally enforceable.
11	2.1 B.4.d and e	10	2.1 B.4.d and e	Updated testing date to reference specific dates the next testing is due. The most recent performance test was completed on December 5 – 7, 2017, and the next required performance test must be completed within five years or by December 7, 2022, unless an alternative date is approved by the DAQ.
11 – 12	2.1 B.4.f	10	2.1 B.4.f	Added reference to sulfuric acid to permit condition for monitoring sulfur content of coal under BACT.
--	--	11	2.1 B.4.h	Added recordkeeping requirements for monitoring the bagfilter under BACT.
12	2.1 B.4.j	11	2.1 B.4.k	Removed statements “(see requirements of Section 2.1 B.4.n above)” and “(see requirements of Section 2.1 B.4.m above).”

Old Numbering		New Numbering		Description of Changes
Page	Section	Page	Section	
13	2.1 B.4.l	--	--	<ul style="list-style-type: none"> Removed BACT condition for sulfuric acid because it was identical to Section 2.1 B.4.f. The two permit conditions were combined to avoid redundancy. Renumbered permit accordingly.
14	2.1 B.4.o and q	12	2.1 B.4.p	Clarified and consolidated reporting requirements into one permit condition
14	2.1 B.5.b.ii(3)	12	2.1 B.5.b.ii(3)	Removed reference to opacity under 15A NCAC 02D .0521 and 15A NCAC 02D .0530. Opacity is not an applicable pollutant/regulation for CAM purposes.
14 – 15	2.1 B.5.c	12 – 13	2.1 B.5.c	Updated the CAM plan language to correspond to updated information submitted in the permit application.
15	2.1 B.5.d	13	2.1 B.5.d	Updated reporting requirements under CAM to reflect most current permit language.
15 – 20	2.1 B.6	13 – 18	2.1 B.6	<ul style="list-style-type: none"> Updated format of GACT Subpart JJJJJ condition to make it consistent with most current permit condition. Removed reference to initial compliance dates under GACT Subpart JJJJJ for boiler (ID No. ES-B3) because they have been met. Updated permit condition to specify the one-time energy assessment under GACT Subpart JJJJJ for boiler (ID No. ES-B3) was conducted. Specified date next performance test is due. Removed reference to opacity requirements as Permittee has elected to use bag leak detection system to comply with operating limits. Updated notification requirements. Specified that source testing results must be submitted to EPA's CEDRI. Added noncompliance statements throughout permit condition.
21 – 22	Throughout Section 2.1 C	19 – 20	Throughout Section 2.1 C	<ul style="list-style-type: none"> Removed natural gas/propane-fired drying unit (ID No. ES-RR4) (Continuous Dye Range #3) Removed natural gas/propane-fired drying unit (ID No. ES-CDR3) (Refinishing Range #4)
23	2.1 D.1.c – f	20	2.1 D.1.c	<ul style="list-style-type: none"> Removed the MRR requirements under 15A NCAC 02D .0515 for the silos (ID Nos. ES-CS1 and ES-AS1). Specified the MRR requirements under Sections 2.1 D.3.c through f for BACT are sufficient for 15A NCAC 02D .0515.
24	2.1 D.2.c	21	2.1 D.2.c	Updated monitoring condition under 15A NCAC 02D .0521 to reflect the most current permit language.
25	2.1 D.3.d	22	2.1 D.3.d	Clarified the recordkeeping requirements under BACT for the silos (ID Nos. ES-CS1 and ES-AS1).

Old Numbering		New Numbering		Description of Changes
Page	Section	Page	Section	
26	2.2 A Regulation table	23	2.2 A Regulation table	<ul style="list-style-type: none"> Removed reference to 15A NCAC 02D .0958. The rule is no longer applicable state-wide, effective November 1, 2016. Removed reference to Permit Shield for ID No. ES-B3. This condition is now contained under Section 2.3
26 – 27	2.2 A.1	--	--	<ul style="list-style-type: none"> Removed permit condition for 15A NCAC 02D .0958. The rule is no longer applicable state-wide, effective November 1, 2016. Renumbered the permit accordingly.
30 – 39	Section 3	26 – 35	Section 3	Updated the General Conditions to the most recent revision (V5.1: 08/03/2017).
40	Attachment	36	Attachment	Updated the list of acronyms.



State of North Carolina
Department of Environmental Quality
Division of Air Quality

AIR QUALITY PERMIT

Permit No.	Replaces Permit No.(s)	Effective Date	Expiration Date
05825T12	05825T11	XXXXXX, 2018	XXXX, 2023

Until such time as this permit expires or is modified or revoked, the below named Permittee is permitted to construct and operate the emission source(s) and associated air pollution control device(s) specified herein, in accordance with the terms, conditions, and limitations within this permit. This permit is issued under the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and Title 15A North Carolina Administrative Codes (15A NCAC), Subchapters 02D and 02Q, and other applicable Laws.

Pursuant to Title 15A NCAC, Subchapter 02Q, the Permittee shall not construct, operate, or modify any emission source(s) or air pollution control device(s) without having first submitted a complete Air Quality Permit Application to the permitting authority and received an Air Quality Permit, except as provided in this permit.

Permittee:

Auria Albemarle, LLC

Facility ID:

8400016

Facility Site Location:

313 Bethany Road

City, County, State, Zip:

Albemarle, Stanly County, North Carolina 28001

Mailing Address:

PO Box 580

City, State, Zip:

Albemarle, North Carolina 28002

Application Number:

8400016.17A

Complete Application Date:

October 23, 2017

Primary SIC Codes:

2273

Division of Air Quality,

Mooresville Regional Office

Regional Office Address:

610 East Center Avenue

Suite 301

Mooresville, North Carolina 28115

Permit issued this the XXth day of XXXX, 2018

William D. Willets, P.E., Chief, Air Permitting Section
By Authority of the Environmental Management Commission

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SECTION 1 - PERMITTED EMISSION SOURCE(S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE(S) AND APPURTENANCES

The following table contains a summary of all permitted emission sources and associated air pollution control devices and appurtenances:

Page No.	Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
Boilers				
4	ES-B1 ES-B2 GACT JJJJJJ	Two natural gas/No. 2 fuel oil-fired boilers (77 million Btu per hour maximum heat input capacity, each; Boilers #1 and #2)	NA	NA
7	ES-B3 BACT GACT JJJJJJ	One coal/No. 2 fuel oil-fired spreader stoker boiler (99.5 million Btu per hour maximum heat input capacity; Primarily fires bituminous coal with sulfur content less than 1%; Boiler #3)	CD-BH1	One jet pulse bagfilter (13,500 square feet of filter area)
Coating Ranges				
18	ES-CDR1 ES-CDR2	Two natural gas/propane-fired drying units (13.8 and 19.0 million Btu per hour maximum heat input capacities, respectively; Continuous Dye Ranges #1 and #2)	NA	NA
18	ES-CR1	One natural gas/propane-fired drying unit (13.5 million Btu per hour maximum heat input capacity; Textile Coating Range #1)	NA	NA
18	ES-D6	One natural gas/propane-fired drying unit (0.88 million Btu per hour maximum heat input capacity; Pilot Range #6)	NA	NA
18	ES-RD	One natural gas/propane-fired drying unit (1.0 million Btu per hour maximum heat input capacity) located in the R&D area	NA	NA
Silos				
20	ES-CS1 BACT	One coal silo #1	CD-CB1	One bagfilter (18 square feet of surface area)
20	ES-AS1 BACT	One ash silo #1	CD-AB1	One bagfilter (9.7 square feet of surface area)

SECTION 2 - SPECIFIC LIMITATIONS AND CONDITIONS

2.1 Emission Source(s) and Control Devices(s) Specific Limitations and Conditions

The emission source(s) and associated air pollution control device(s) and appurtenances listed below are subject to the following specific terms, conditions, and limitations, including the testing, monitoring, recordkeeping, and reporting requirements as specified herein:

A. Two natural gas/No. 2 fuel oil-fired boilers (ID Nos. ES-B1 and ES-B2)

The following table provides a summary of limits and/or standards for the above listed sources.

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	0.24 pounds per million Btu heat input	15A NCAC 02D .0503
Sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 02D .0516
Visible emissions	40 percent opacity	15A NCAC 02D .0521
Hazardous air pollutants	Work practice standards	15A NCAC 02D .1111, 40 CFR Part 63, Subpart JJJJJ

1. 15A NCAC 02D .0503: PARTICULATES FROM FUEL BURNING INDIRECT HEAT EXCHANGERS

- a. Emissions of particulate matter from the combustion of natural gas/No. 2 fuel oil that are discharged from these sources (**ID Nos. ES-B1 and ES-B2**) into the atmosphere shall not exceed 0.24 pounds per million Btu heat input.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0503.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate matter from the firing of natural gas/No. 2 fuel oil in these sources (**ID Nos. ES-B1 and ES-B2**).

2. 15A NCAC 02D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from these sources (**ID Nos. ES-B1 and ES-B2**) shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of natural gas/No. 2 fuel oil in these sources (**ID Nos. ES-B1 and ES-B2**).

3. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from these sources (**ID Nos. ES-B1 and ES-B2**) shall not be more than 40 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 40 percent not more than once in any hour and not more than four times in a 24-hour period. In no event shall the six-minute average exceed 90 percent opacity.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from the firing of natural gas/No. 2 fuel oil in these sources (**ID Nos. ES-B1 and ES-B2**).

4. 15A NCAC 02D .1111: - MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY

Applicability [§63.11193, §63.11194(a)(1), (b), §63.11200(d)]

- a. For this seasonal boilers (**ID Nos. ES-B1 and ES-B2**), the Permittee shall comply with all applicable provisions, including the notification, testing, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 02D .1111, "Maximum Achievable Control Technology" as promulgated in 40 CFR Part 63, Subpart JJJJJ, "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers," including Subpart A "General Provisions."

Definitions and Nomenclature

- b. For the purposes of this permit condition, the definitions and nomenclature contained in 40 CFR 63.11237 shall apply. Seasonal boiler means a boiler that undergoes a shutdown for a period of at least 7 consecutive months (or 210 consecutive days) each 12-month period due to seasonal conditions, except for periodic testing. Periodic testing shall not exceed a combined total of 15 days during the 7-month shutdown.

General Provisions [§63.11235]

- c. The Permittee shall comply with the General Provisions as applicable pursuant to Table 8 of 40 CFR Part 63, Subpart JJJJJ.

Compliance Dates [§63.11196(c), §63.11210(e)]

- d. The Permittee shall achieve compliance with the initial tune up and one-time energy assessment requirements no later than March 21, 2014. The initial tune-up on the boilers (**ID Nos. ES-B1 and ES-B2**), and one-time energy assessment were conducted in June 2012. [§63.11196(a), §63.11210(c)]

General Compliance Requirements [15A NCAC 02Q .0508(b), §63.11205(a)]

- e. At all times, the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

Performance Tune-up Requirements [15A NCAC 02Q .0508(b)]

- f. The Permittee is required to conduct an initial performance tune-up and subsequent tune-ups every five years.
 - i. Each 5-year tune-up shall be conducted no more than 61 months after the previous tune-up.
 - ii. The Permittee shall conduct the tune-ups while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.
 - iii. The tune-ups shall be conducted according to the following procedures:
 - (A) As applicable, inspect the burner, and clean or replace any components of the burner as necessary. (The Permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection).
 - (B) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - (C) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. (The Permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection).
 - (D) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.
 - (E) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
 - (F) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

[§63.11201(b), Table 2, §63.11223(b), (d)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these tune-up requirements are not met.

Recordkeeping [15A NCAC 02Q .0508(f)]

- g. The Permittee shall:
 - i. as required in 40 CFR 63.10(b)(2)(xiv), keep a copy of each notification and report that was submitted to comply with this rule and all documentation supporting any Notification of Compliance Status that was submitted.
 - ii. maintain on-site and submit, if requested by the Administrator, a report containing the following information:
 - (A) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
 - (B) A description of any corrective actions taken as a part of the tune-up of the boiler.
 - (C) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.
 - iii. keep the following records to document conformance with the applicable requirements:
 - (A) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
 - (B) Records of the days of operation per year for each seasonal boiler.
 - (C) Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment.
 - (D) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in Section 2.1 A.4.e, including corrective actions to

restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

[§63.11225(c), §63.11223(b)(6)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

- h. The records must be in a form suitable and readily available for expeditious review. The Permittee shall keep each record for 5 years following the date of each recorded action. The Permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The Permittee may keep the records off site for the remaining 3 years. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met. [§63.11225(d)]

Reporting [15A NCAC 2Q .0508(f)]

- i. The Permittee shall submit a summary report of monitoring and recordkeeping activities given in Sections 2.1 A.4.g and h postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

B. One coal/No. 2 fuel oil-fired spreader stoker boiler (ID No. ES-B3) with associated jet pulse bagfilter (ID No. CD-BH1)

The following table provides a summary of limits and/or standards for the above listed sources.

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	0.24 pounds per million Btu heat input	15A NCAC 02D .0503
Sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 02D .0516
Visible emissions	20 percent opacity	15A NCAC 02D .0521
Particulate matter Sulfur dioxide Nitrogen dioxide Fluorides Sulfuric acid Visible emissions	For PSD purposes, the following "Best Available Control Technology" (BACT) permit limitations shall not be exceeded: Particulate Matter 0.05 lb/million Btu Sulfur Dioxide 1.5 lb/million Btu Nitrogen Dioxide 0.6 lb/million Btu Fluorides 0.0064 lb/million Btu Sulfuric Acid 0.021 lb/million Btu Opacity 20%	15A NCAC 02D .0530
Particulate matter	Compliance Assurance Monitoring	15A NCAC 02D .0614
Hazardous air pollutants	Emission Limits <ul style="list-style-type: none"> Mercury: 2.2E-05 lb per million Btu of heat input Carbon monoxide: 420 ppm by volume on a dry basis corrected to 3 percent oxygen Work practice standards	15A NCAC 02D .1111, 40 CFR Part 63, Subpart JJJJJ

1. 15A NCAC 02D .0503: PARTICULATES FROM FUEL BURNING INDIRECT HEAT EXCHANGERS

- a. Emissions of particulate matter from the combustion of coal or No. 2 fuel oil that are discharged from this source (**ID No. ES-B3**) into the atmosphere shall not exceed 0.24 pounds per million Btu heat input.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test exceed the limit given in Section 2.1 B.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0503.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate emissions from the firing of No. 2 fuel oil in this source (**ID No. ES-B3**).
- d. While firing coal, the Permittee shall follow the applicable monitoring, recordkeeping, and reporting requirements in Sections 2.1 B.4.g, h, o, and p. If the required monitoring and recordkeeping are not met as given in Section 2.1 B.4.g and h, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0503.

2. 15A NCAC 02D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from this source (**ID No. ES-B3**) shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 B.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of No. 2 fuel oil in this source (**ID No. ES-B3**).
- d. While firing coal, the Permittee shall follow the applicable monitoring, recordkeeping, and reporting requirements in Sections 2.1 B.4.f and p. If the required monitoring and recordkeeping are not met as given in Section 2.1 B.4.f, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

3. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from this source (**ID No. ES-B3**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 B.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

Monitoring/Recordkeeping [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from the firing of No. 2 fuel oil in this source (**ID No. ES-B3**).

Monitoring [15A NCAC 02Q .0508(f)]

- d. i. To ensure compliance, once a day while firing coal, the Permittee shall observe the emission points of this source (**ID No. ES-B3**) for any visible emissions above normal. The daily observation must be made for each day of the calendar year period to ensure compliance with this requirement. The Permittee shall be allowed three (3) days of absent observations per semiannual period. If visible emissions from this source are observed to be above normal, the Permittee shall either:
- (A) take appropriate action to correct the above-normal emissions as soon as practicable and within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or
 - (B) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 02D .2610 (Method 9) for 12 minutes is below the limit given in Section 2.1 B.3.a above.
- ii. The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0521 if:
- (A) the above-normal emissions are not corrected per d.i.(A) above;
 - (B) the demonstration in d.i.(B) above cannot be made; or
 - (C) the daily observations are not conducted per d.i. above.
- e. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
- i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.
- The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521 if these records are not maintained.

Reporting [15A NCAC 02Q .0508(f)]

- f. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 B.3.d and e above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

4. 15A NCAC 02D .0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. For PSD purposes, the following BACT permit limitations shall not be exceeded:

Equipment ID	Pollutants	Emission Limits
ES-B3	Sulfur Dioxide	1.5 lb/million Btu
	Particulate Matter	0.05 lb/million Btu
	Nitrogen Dioxide	0.6 lb/million Btu
	Fluorides	0.0064 lb/million Btu
	Sulfuric Acid	0.021 lb/million Btu
	Opacity	20%

- b. For PSD purposes, this source (**ID No. ES-B3**) shall be properly operated and maintained at all times in such a manner as to reduce air contamination to the extent necessary to comply with applicable regulations and standards, and in no case shall the opacity of the visible emissions exceed 20 percent opacity for an aggregate of more than 5 minutes in any one hour or more than 20 minutes in any 24 hour period.

- i. Start-up and shutdown. Excess emissions during start-ups and shutdowns shall be considered a violation of the appropriate rule if the owner or operator cannot demonstrate that the excess emissions were unavoidable. [15A NCAC 02D .0535(g)]

Testing [15A NCAC 02Q .0508(f)]

- c. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of these tests are above the limits given in Section 2.1 B.4.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530.
- d. Under the provisions of NCGS 143-215.108, the Permittee shall demonstrate compliance with the emission limits listed in Section 2.1 B.4.a above, by testing this source (**ID Nos. ES-B3**) for particulate matter, nitrogen dioxide, and visible emissions in accordance with a testing protocol approved by the DAQ. Details of the emissions testing and reporting requirements can be found in Section 3 - General Condition JJ of this permit. Testing shall be completed and the results submitted by **December 7, 2022**, unless an alternate date is approved by the DAQ. If the results of these tests from this source (**ID No. ES-B3**) are above the limits given in Section 2.1 B.4.a above the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530.
- e. By **December 7, 2022**, unless an alternate date is approved by the DAQ, the Permittee shall conduct control tests of this source (**ID No. ES-B3**) exhaust gas emissions to determine the appropriate operating range of the oxygen sensor that will ensure nitrogen dioxide emissions levels are maintained. The Permittee shall submit a test protocol to the DAQ for review and approval prior to conducting the test. The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0530 if the control tests are not conducted and if an appropriate operating range for the oxygen sensor is not determined.

Monitoring/Recordkeeping [15A NCAC 02Q .0508(f)]

- f. To demonstrate BACT for emissions of sulfur dioxide and emissions of sulfuric acid, the sulfur content of the coal burned in this source (**ID No. ES-B3**) shall not exceed 1.0 percent by weight. To ensure compliance with 15A NCAC 02D .0530 for emissions of sulfur dioxide and sulfuric acid, the Permittee shall monitor the sulfur content of the coal by using coal supplier certification per total shipment. The coal supplier certification shall be recorded in a logbook (written or electronic format) per total shipment received and include the following information:
 - i. the name of the coal supplier;
 - ii. the maximum sulfur content of the coal received per total shipment;
 - iii. the gross calorific value (Btu) of the coal;
 - iv. a statement verifying that the methods used to determine the maximum sulfur content of the coal was in accordance with the following:
 - A. sampling -- ASTM Method D 2234;
 - B. preparation -- ASTM Method D 2013;
 - C. gross calorific value (Btu) -- ASTM Method D-5865;
 - D. moisture content -- ASTM Method D 3173;
 - E. sulfur content -- ASTM Method D 3177 or ASTM Method D 4239.The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 for emissions of sulfur dioxide and sulfuric acid if the sulfur content of the coal is not monitored and recorded.
- g. The Permittee shall, to the extent practicable, operate this source (**ID No. ES-B3**) with the bagfilter (**ID No. CD-BH1**) to minimize particulates and/or visible emissions during the start-up and shutdown periods. The bagfilter (**ID No. CD-BH1**) shall be operated at all times when this source (**ID No. ES-B3**) is in operation except when the inlet temperature is less than 350°F. When the inlet temperature to the bagfilter (**ID No. CD-BH1**) is less than 350°F, the bagfilter may be bypassed as part of the start-up and shutdown periods. To ensure compliance, the Permittee shall perform inspections and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there are no manufacturer's inspection and maintenance recommendations, as a minimum, the inspection and maintenance requirement shall include the following:

- i. a monthly external visual inspection of the system ductwork and material collection unit for heat damage and leaks;
- ii. an annual (for each 12-month period from initial inspection) internal inspection of the bagfilter for deterioration and heat damage; and
- iii. replacement of bags as shall be deemed necessary, as a result of inspections for damage or deterioration, maintenance performed, and past history of bag replacements.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if the bagfilter and duct work are not visually inspected for deterioration.

- h. The results of inspection and maintenance activities shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each inspection, including a broken bag chart (where applicable);
 - iii. the results of any maintenance performed on the bagfilter; and
 - iv. any variance from manufacturer's recommendations, if any, and corrections made.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if these records are not maintained.

- i. Emissions of nitrogen dioxide will be controlled by reducing the amount of excess air supplied for combustion. To comply with the limitations of Section 2.1 B.4.a above, for nitrogen dioxide, and ensure effective boiler operating conditions are maintained, the Permittee shall continuously monitor the exhaust concentration of oxygen after combustion using an oxygen sensor and shall record exhaust gas oxygen concentrations hourly averages in a logbook (written or electronic). The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0530 if the exhaust concentrations of oxygen are not monitored. A copy of the logbook shall be made available for inspection to representatives of DAQ upon request.
- j. The oxygen sensor shall be operated and maintained according to specifications and procedures provided by manufacturer. Results of any repair and maintenance activities on oxygen sensor shall be recorded in a logbook (written or electronic). The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0530 if the information on repair and maintenance is not recorded in the logbook and if the oxygen sensor is not operated or maintained according to specifications and procedures provided by manufacturer. A copy of the logbook shall be made available for inspection to representatives of DAQ upon request.
- k. The Permittee shall maintain a 30-day rolling averaging of recorded readings in a logbook (written or electronic). If the monitoring system fails or malfunction for more than 5% of the 30 day averaging time (monitor downtime) or if the 30 day rolling average of oxygen concentrations in the exhaust gases from this source (**ID No. ES-B3**) are observed to be outside the operating range that ensures compliance with nitrogen oxide emission limitations, the Permittee shall either:
 - i. be deemed to be in noncompliance with 15A NCAC 02D .0530; or
 - ii. demonstrate that the nitrogen dioxide emission concentration from this source (**ID No. ES-B3**), in accordance with 15A NCAC 02D .0501(c)(7), is below the limit given in Section 2.1 B.4.a above.If the demonstration in ii. above, cannot be made, the Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0530. A copy of the logbook shall be made available for inspection to representatives of DAQ upon request.
- l. To demonstrate BACT and to ensure compliance with 15A NCAC 02D .0530 for emissions of fluorides, no additional controls are necessary. No monitoring, recordkeeping, or reporting is necessary for emissions of fluorides from this source (**ID No. ES-B3**).
- m. To ensure compliance, on a daily basis, the Permittee shall observe the emission points of this source (**ID No. ES-B3**) for any visible emissions above normal. If visible emissions from this source (**ID No. ES-B3**) is observed to be above normal, the Permittee shall either:
 - i. be deemed to be in noncompliance with 15A NCAC 02D .0530; or
 - ii. demonstrate that the percent opacity from the emission points of this source (**ID No. ES-B3**), in accordance with 15A NCAC 02D .0501(c)(8), is below the limit given in Section 2.1 B.4.b above.

If the demonstration in ii. above cannot be made, the Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0530.

- n. The results of the monitoring for visible emissions shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.
 The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if these records are not maintained.

Reporting [15A NCAC 02Q .0508(f)]

- o. The Permittee shall submit the results of any maintenance performed on the bagfilter (**ID No. CD-BH1**) and oxygen monitoring system within 30 days of a written request by the DAQ.
- p. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 B.4.d through n above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. The semiannual report shall contain the following.
 - i. The report shall contain a certified statement signed by the responsible official that the records of coal supplier certification submitted represent all of the coal fired during the reporting period.
 - ii. All instances of deviations from the manufacturer's recommendations for maintenance of the bagfilter and oxygen sensor must also be clearly identified.
 - iii. All instances of deviations from the requirements of this permit must be clearly identified.
- r. The Permittee shall report the hourly average exhaust gas oxygen concentrations, recorded per Section 2.1 B.4.i above, within 30 days after each calendar year quarter. The hourly exhaust gas oxygen concentrations are to be averaged using a 30-day rolling average. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if the 30-day rolling averages of hourly exhaust gas concentrations (considering 5% monitoring downtime) from the facility are not provided.

5. 15A NCAC 02D .0614: COMPLIANCE ASSURANCE MONITORING

- a. Per 40 CFR 64 and 15A NCAC 02D .0614, the Permittee shall comply with the following.
- b. **Background**
 - i. Emission Unit. One coal/No. 2 fuel oil-fired spreader stoker boiler (**ID No. ES-B3**)
 - ii. Applicable Regulation, Emission Limit, and Control Device.
 - A. Emission Limits/Regulations.
 - (1) Emissions of particulate matter shall not exceed 0.24 pounds per million Btu heat input per 15A NCAC 02D .0503
 - (2) Emissions of particulate matter shall not exceed 0.05 pounds per million Btu heat input per 15A NCAC 02D .0530
 - B. Control Technology. One jet pulse bagfilter (**ID No. CD-BH-1**)
- c. **Monitoring Approach**. The key element of the monitoring approach for particulate matter, including parameters to be monitored, parameter ranges and performance criteria are presented in the following table.

Monitoring Elements	Indicator
Measurement Approach [64.6(c)(1)(i), (ii)]	A triboelectric monitor with a detection limit of 0.01 mg/m ³ is installed at the baghouse exhaust. An alarm will sound when the signal remains over a preset limit for the selected period of time (delay) to indicate a possible broken filter bag.

Monitoring Elements	Indicator
Indicator Range [64.6(c)(2)]	An excursion is defined as a triboelectric signal greater than 208 for a period exceeding 309 seconds. However, routine operation may warrant adjustments to this level. Periods of adjustments will be noted in the CAM logbook.
QIP threshold [64.8]	None selected
Data Representativeness [64.6(c)(1)(iii), 64.3(b)(1)]	The detector is located at the fabric filter outlet. The triboelectric signal can be proportional to the amount of particulate in the exhaust under constant conditions; variables such as particulate diameter, particle charge, and velocity can affect the correlation.
QA/QC Practices and Criteria [64.3(b)(3)]	The probe will be cleaned monthly and annually. The triboelectric monitor has an automated check for electronic drift and dust buildup. The dust buildup check has an alarm point. Periodically, to account for seasonal or other effects and to help ensure continuous compliance, the facility may collect sensor data and adjust the system's set points based on a statistical analysis of the data; a report of an analysis that results in change in the rolling average, the set point, or the alarm delay will be maintained on site for a period of five-years and be noted in the semiannual summary reports below.
Monitoring frequency [64.3(b)(4)]	The triboelectric signal is monitored continuously (one-second impulses) when the boiler/baghouse are operating.
Data collection procedure [64.3(b)(4)]	The monitor collects one-second data that is processed by the controller to produce ten second rolling averages that are archived on a computer as a historical data record.
Data averaging period [64.3(b)(4)]	The averaging period for the set point is ten second rolling averages, with a 309 second alarm delay.

Reporting Requirements [15A NCAC 02Q .0508(f), 40 CFR 64.9]

- d. The Permittee shall submit a summary report of all monitoring activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations for the requirements of this permit must be clearly identified. At a minimum, the report shall include the following elements:
 - i. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
 - ii. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
 - iii. A description of the actions taken to implement a QIP during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

6. 15A NCAC 02D .1111: MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY

Applicability [40 CFR 63.11193, 40 CFR 63.11194(a)(1), (b), 40 CFR 63.11200(d)]

- a. For the coal-fired boiler (**ID No. ES-B3**), the Permittee shall comply with all applicable provisions, including the notification, testing, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 02D .1111, Maximum Achievable Control Technology” as promulgated in 40 CFR Part 63, Subpart JJJJJ, “National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers,” including Subpart A “General Provisions.”

Definitions and Nomenclature [40 CFR 63.11237]

- b. For the purposes of this permit condition, the definitions and nomenclature contained in 40 CFR 63.11237 shall apply.

General Provisions [40 CFR 63.11235]

- c. The Permittee shall comply with the General Provisions as applicable pursuant to Table 8 of 40 CFR Part 63, Subpart JJJJJ.

Compliance Dates [40 CFR 63.11196(a), 40 CFR 63.11210(e)]

- d. The Permittee shall achieve compliance with one-time energy assessment requirements no later than March 21, 2014. The one-time energy assessment was conducted in June 2012.
- e. The Permittee shall achieve compliance with emission limits for mercury and carbon monoxide (CO) no later than March 21, 2014, as specified in 40 CFR 63.11196(a)(2).

General Compliance Requirements [15A NCAC 02Q .0508(b), 40 CFR 63.11205(a)]

- f. At all times, the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

Emission Limits [40 CFR 63.11201(a) and Table 1]

- g. The Permittee shall comply with the following emission standards for boiler (**ID No. ES-B3**) [Table 1 of 40 CFR Part 63, Subpart JJJJJ]:
 - i. Mercury: 2.2E-05 lb per million Btu of heat input
 - ii. Carbon monoxide (CO): 420 ppm by volume on a dry basis corrected to 3 percent oxygen
 - iii. These emission limits shall apply at all times the boiler is in operation except during periods of startup and shutdown as defined under 40 CFR 63.11237. The Permittee shall follow procedures under Section 2.1 B.6.y during periods of startup and shutdown. [40 CFR 63.11201(d) and Table 2]The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

Periodic Testing [15A NCAC 02Q .0508(f)]

- h. The Permittee shall conduct all applicable performance (stack) tests according to 40 CFR 63.11212 on a triennial basis. Each triennial performance test must be completed no more than 37 months after the previous performance test. The most recent performance test was completed on December 5 – 7, 2017, and the next required performance test must be completed no later than **January 7, 2021**.
- i. During each performance stack test, the Permittee shall establish operating limits according to 40 CFR 63.11211(b)(1) through (4), 40 CFR 63.11222, and Table 6 of Subpart JJJJJ.
- j. If the Permittee demonstrates compliance with the mercury emission limit based on fuel analysis, the Permittee shall conduct a fuel analysis according to 40 CFR 63.11213 for each type of fuel burned as specified in paragraphs (i) and (ii) below:
 - i. If the mercury constituents in the fuel or fuel mixture are measured to be equal to or less than half of the mercury emission limit, the Permittee does not need to conduct further fuel analysis sampling but must continue to comply with all applicable operating limits and monitoring requirements.
 - ii. If the mercury constituents in the fuel or fuel mixture are greater than half of the mercury emission limit, the Permittee shall conduct quarterly sampling.

- k. If the Permittee burns a new type of fuel or fuel mixture, the Permittee shall conduct a fuel analysis before burning the new type of fuel or mixture in the boiler. The Permittee shall recalculate the mercury emission rate using Equation 1 of 40 CFR 63.11211. The recalculated mercury emission rate must be less than the applicable emission limit.
- l. For existing affected boilers that have not operated since the previous compliance demonstration and more than 3 years have passed since the previous compliance demonstration, the Permittee shall complete subsequent compliance demonstration no later than 180 days after the re-start of the affected boiler.
- m. If the results of the periodic performance tests are above the limits given in Section 2.1 B.6.g above or if the requirements in Sections 2.1 B.6.h through l are not met, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111.

Operating Limits [40 CFR 63.11201 and Table 3 of Subpart JJJJJ]

- n. The Permittee uses a fabric filter for compliance and has elected to comply with the operational limits using a bag leak detection system. The Permittee shall install and operate a bag leak detection system according to 40 CFR 63.11224 and operate the fabric filter such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during each 6-month period.
- o. The Permittee shall only burn fuel for which compliance with the emission limit Section 2.1 B.6.g above has been demonstrated through stack testing and/or fuel analysis.
- p. The Permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the average operating load recorded during the most recent performance stack test.
- q. The Permittee shall maintain the 30-day rolling average O₂ content at or above the minimum O₂ level established during the most recent CO performance test.
- r. If the requirements in Sections 2.1 B.6.n through q are not met, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111.

Monitoring [15A NCAC 02Q .0508(f)]

- s. The Permittee shall install, calibrate, maintain, and continuously operate the bag leak detection system as specified in paragraphs 40 CFR 63.11224 (f)(1) through (8). The Permittee shall initiate corrective action within 1 hour of bag of a bag leak detection system alarm and maintain the fabric filter system such that the alarm does not sound more than 5 percent of the operating time during a six-month period as specified in 40 CFR 63.11222(a)(4). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the fabric filter is not installed, calibrated, maintained, or continuously operated as specified in this paragraph or if the leak detection alarm sounds more than 5 percent of the operating time during a six-month period.
- t. The Permittee shall maintain monthly fuel records of fuel use according to 40 CFR 63.11222(a)(2) and 40 CFR 63.11225(b)(4). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if a fuel is used, except during startup, after the initial compliance period for which the Permittee has not demonstrated compliance with the emission limits in Section 2.1 B.6.g above.
- u. The Permittee shall collect operating load data (fuel feed rate or steam generation data) every 15 minutes and reduce the data to 30-day rolling averages. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the boiler operating load exceeds 110 percent of the average operating load recorded during the most recent stack test.
- v. The Permittee shall install, operate, and maintain a continuous oxygen monitor according to the procedures in 40 CFR 63.11224(a)(1) through (6). The Permittee shall continuously monitor the O₂ content of flue gas at the outlet of the boiler according to 40 CFR 63.11224 and reduce the data to 30-day rolling averages. This requirement does not apply to units that install an O₂ trim system since these units will set the trim system to the level specified in 40 CFR 63.11224(a)(7). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the 30-day rolling average O₂ content is not maintain at or above the minimum O₂ level established during the most recent CO performance test.

- w. The Permittee shall develop a site-specific monitoring plan according to the requirements in 40 CFR 63.11224(c)(1) through (4) of Subpart JJJJJJ. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the site-specific monitoring plan is not developed.
- x. If the Permittee has an operating limit that requires the use of a continuous monitoring system (CMS), the Permittee shall install, operate, and maintain each continuous parameter monitoring system according to the procedures in 40 CFR 63.11224(d)(1) through (5). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if CMS is not installed, operated, or maintained as specified in this paragraph.
- y. The Permittee shall minimize the boiler's time spent during startup and shutdown following the manufacturer's recommended procedures, if available. If manufacturer's recommended procedures are not available, the Permittee shall follow recommended procedures for a unit of similar design for which manufacturer's recommended procedures are available. [40 CFR 63.11214(d) and 40 CFR 63.11223(g)] The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

Recordkeeping Requirements [40 CFR 63.11225(c)(1) through (7)]

- z. The Permittee shall maintain the following records as specified in 40 CFR 63.11225(c)(1) through (7):
 - i. A copy of each notification and report that was submitted to comply with Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee submitted.
 - ii. Records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 and 40 CFR 63.11223 as specified in paragraphs (A) through (D) below:
 - A. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1) of this chapter, the Permittee must keep a record that documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If the Permittee combusts a fuel that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4) of this chapter, the Permittee must keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c) of this chapter, the Permittee must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the Permittee must keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).
 - B. For each boiler required to conduct an energy assessment, the Permittee must keep a copy of the energy assessment report.
 - C. For each boiler subject to an emission limit in Table 1 to Subpart JJJJJJ, the Permittee must also keep records of monthly fuel use by each boiler, including the type(s) of fuel and amount(s) used.
 - iii. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation that were done to demonstrate compliance with the mercury emission limits. Supporting documentation should include results of any fuel analyses. The Permittee can use the results from one fuel analysis for multiple boilers provided they are all burning the same fuel type.
 - iv. Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
 - v. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
 - vi. The Permittee must keep the records of all inspection and monitoring data required by 40 CFR

63.11221 and 63.11222, and the information identified in paragraphs (A) through (F) below for each required inspection or monitoring.

- A. The date, place, and time of the monitoring event.
 - B. Person conducting the monitoring.
 - C. Technique or method used.
 - D. Operating conditions during the activity.
 - E. Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation.
 - F. Maintenance or corrective action taken (if applicable).
- vii. The Permittee must keep the records specified in paragraphs (A) through (C) below for the bag leak detection system:
- A. Records of the bag leak detection system output.
 - B. Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings.
 - C. The date and time of all bag leak detection system alarms, and for each valid alarm, the time the Permittee initiated corrective action, the corrective action taken, and the date on which corrective action was completed.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these records are not maintained.

Reporting Requirements [40 CFR 63.11225]

- z. The Permittee shall submit the following notifications as specified in 40 CFR 63.11225(a)(1) through (a)(4):
- i. All of the notifications in 40 CFR 63.7(b), 63.8(e) and (f), 40 CFR 63.9(b) through (e), and 40 CFR 63.9(g) and (h) that apply to the facility by the dates specified in those sections.
 - ii. Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin.
 - i. Notification of Compliance Status - The Permittee must submit the Notification of Compliance Status within 60 days of completing the performance stack test. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs 40 CFR 63.11225(a)(4)(i) through (v), as applicable, and must be signed by a responsible official. The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these notification and reporting requirements are not met.

- aa. Within 60 days after the date of completing each performance test (as defined in 40 CFR 63.2) required by this subpart, the Permittee shall submit the results of the performance tests, including any associated fuel analyses, as follows:
- i. For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (https://www3.epa.gov/ttn/chief/ert/ert_info.html) at the time of the test, the Permittee must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>.) Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site. If the Permittee claims that some of the performance test information being submitted is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other

commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph. or

- ii. For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site at the time of the test, the Permittee must submit the results of the performance test to the Administrator at the appropriate address listed in 40 CFR 63.13.
 - bb. Annual Compliance Certification Report (40 CFR 63.11225(b)) – The Permittee shall prepare and submit, by March 1 of each year, an annual compliance certification report for the previous calendar year, starting **March 1, 2015**. The report shall contain the following information as specified in paragraphs 40 CFR 63.11225(b)(1) through (4). The report must be submitted by March 15 if the Permittee had any instance described by paragraph (b)(3) of 40 CFR 63.11225.
 - i. Company name and address.
 - ii. Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart.
 - iii. If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.
 - iv. The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the Permittee or EPA through a petition process to be a non-waste under 40 CFR 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and the total fuel usage amount with units of measure.
- The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these notification and reporting requirements are not met.
- cc. The Permittee shall report each instance in which the Permittee did not meet each applicable emission limit and operating limit in Tables 1 and 3 of Subpart JJJJJJ. These instances are deviations from the emission limits in Subpart JJJJJJ and must be reported according to the requirements in 40 CFR 63.11225 and as specified in Section 2.1 B.6.bb above.
 - dd. In accordance with 15A NCAC 02Q .0508(f), the Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

C. Two-natural gas/propane-fired drying units (Continuous Dye Ranges #1 and #2; ID Nos. ES-CDR1 and ES-CDR2)

One natural gas/propane-fired drying unit (Textile Coating Range #1; ID No. ES-CR1)

One natural gas/propane-fired drying unit (Pilot Range #6; ID No. ES-D6)

One natural gas/propane fired drying unit located in the R&D area (ID No. ES-RD)

The following table provides a summary of limits and/or standards for the above listed sources.

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	$E = 4.10 \times P^{0.67}$ Where E = allowable emission rate in pounds per hour P = process weight in tons per hour	15A NCAC 02D .0515
Sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 02D .0516
Visible emissions	20 percent opacity	15A NCAC 02D .0521

1. 15A NCAC 02D .0515: PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES

- a. Emissions of particulate matter from these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**) shall not exceed an allowable emission rate as calculated by the following equation:

$$E = 4.10 \times P^{0.67} \text{ Where } E = \text{allowable emission rate in pounds per hour}$$

$$P = \text{process weight in tons per hour}$$

Liquid and gaseous fuels and combustion air are not considered as part of the process weight.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of the test are above the limit given in Section 2.1 C.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0515.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate matter from the firing of natural gas or propane in these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**).

2. 15A NCAC 02D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**) shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 C.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of natural gas or propane in these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**).

3. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of the test are above the limit given in Section 2.1 C.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from the firing of natural gas or propane in these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**).

D. Coal Silo #1 (ID No. ES-CS1) with associated bagfilter (ID No. CD-CB1) Coal Ash Silo #1 (ID No. ES-AS1) with associated bagfilter (ID No. CD-AB1)

The following table provides a summary of limits and/or standards for the above listed sources.

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	$E = 4.10 \times P^{0.67}$ Where E = allowable emission rate in pounds per hour P = process weight in tons per hour	15A NCAC 02D .0515
Visible emissions	20 percent opacity	15A NCAC 02D .0521
Particulate matter	For PSD purposes, the following "Best Available Control Technology" (BACT) permit limitations shall not be exceeded: Particulate Matter 0.001 lb/hour	15A NCAC 02D .0530

1. 15A NCAC 02D .0515: PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES

- a. Emissions of particulate matter from these sources (**ID Nos. ES-CS1 and ES-AS1**) shall not exceed an allowable emission rate as calculated by the following equation:

$$E = 4.10 \times P^{0.67}$$

Where E = allowable emission rate in pounds per hour
P = process weight rate in tons per hour

Liquid and gaseous fuels and combustion air are not considered as part of the process weight.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of the test are above the limits given in Section 2.1 D.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0515.

Monitoring/Recordkeeping/Reporting [15A NCAC 02Q .0508(f)]

- c. The Permittee shall follow the applicable monitoring, recordkeeping, and reporting requirements in Sections 2.1 D.3.c through f. If the required monitoring and recordkeeping are not met as given in Section 2.1 D.3.c and d, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0515.

2. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from these sources (**ID Nos. ES-CS1 and ES-AS1**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of the test are above the limits given in Section 2.1 D.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

Monitoring/Recordkeeping [15A NCAC 02Q .0508(f)]

- c.
 - i. To ensure compliance, once a month the Permittee shall observe the emission points of these sources (**ID Nos. ES-CS1 and ES-AS1**) for any visible emissions above normal. The monthly observation must be made for each month of the calendar year period to ensure compliance with this requirement. If visible emissions from these sources are observed to be above normal, the Permittee shall either:
 - (A) take appropriate action to correct the above-normal emissions as soon as practicable and within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or
 - (B) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 02D .2610 (Method 9) for 12 minutes is below the limit given in Section 2.1 D.2.a above.
 - ii. The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0521 if:
 - (A) the above-normal emissions are not corrected per c.i.(A) above;
 - (B) the demonstration in c.i.(B) above cannot be made; or
 - (C) the monthly observations are not conducted per c.i above; or
- d. The results of monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521 if these records are not maintained.

Reporting [15A NCAC 02Q .0508(f)]

- e. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 D.2.c and d above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

3. 15A NCAC 02D .0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. For PSD purposes, the following BACT permit limitations shall not be exceeded:

Equipment ID	Pollutant(s)	Emission Limit(s)
ES-CS1	Particulate Matter	0.001 lb/hr
ES-AS1	Particulate Matter	0.001 lb/hr

Testing [15A NCAC 02Q .0508(f)]

- b. If emission testing for emissions of particulate matter is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test exceed the limit given in Section 2.1 D.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530.

Monitoring/Recordkeeping [15A NCAC 02Q .0508(f)]

- c. Particulate matter emissions from these sources (**ID Nos. ES-CS1 and ES-AS1**) shall be controlled by bagfilters (**ID Nos. CD-CB1 and CD-AB1**) as described above. To comply with the limitations and provisions of Section 2.1 D.3.a above, for particulate matter, and ensure that maximum control efficiency is maintained, the Permittee shall perform inspections and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there are no manufacturer's inspection and maintenance recommendations, as a minimum, the inspection and maintenance requirement shall include the following:
- a monthly external visual inspection of the system duct work, and material collection units for damage and leaks, and
 - an annual (for each 12-month period following the initial inspection) internal inspection of the bagfilters for deterioration.
- The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if the bagfilters and duct work are not visually inspected for deterioration.
- d. The results of inspection and maintenance shall be maintained in a logbook (written or electronic format) on site and made available to Division of Air Quality personnel upon request. The logbook shall contain the following:
- the date and time of each recorded action;
 - the results of each inspection including a broken bag chart (where applicable);
 - the results of any maintenance performed on the bagfilters; and
 - any variance from manufacturer's recommendations, if any, and corrections made.
- The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if records are not maintained.

Reporting [15A NCAC 02Q .0508(f)]

- e. Within 30 days of a written request by the DAQ, the Permittee shall submit the results of any maintenance performed on the bagfilters (**ID Nos. CD-CB1 and CD-AB1**).
- f. The Permittee shall submit a summary report of monitoring and recordkeeping activities in Sections 2.1 D.3.c and d postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

2.2 Multiple Emission Source(s) Specific Limitations and Conditions

A. Facility-wide affected emission sources

The following table provides a summary of limits and standards applicable facility wide:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Odors	State-enforceable only Odorous emissions must be controlled	15A NCAC 02D .1806
Toxic air pollutants	State-enforceable only Toxic air pollutant emissions shall not exceed the levels listed in 02Q .0711	15A NCAC 02Q .0711
Hazardous air pollutants	Less than 10 tons per consecutive 12-month period of any single HAP Less than 25 tons per consecutive 12-month period of any combination HAPs	15A NCAC 02Q .0317 (MACT Avoidance)

State-enforceable only

1. 15A NCAC 02D .1806: CONTROL AND PROHIBITION OF ODOROUS EMISSIONS

- a. The Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

State-enforceable only

s. 15A NCAC 02Q .0711: PERMIT REQUIREMENTS FOR TOXIC AIR POLLUTANTS

- a. Pursuant to 15A NCAC 02Q .0711, for each of the below listed toxic air pollutants (TAPs), the Permittee has made a demonstration that facility-wide actual emissions do not exceed the Toxic Permit Emission Rates (TPERs) listed in 15A NCAC 02Q .0711. The facility shall be operated and maintained in such a manner that emissions of any listed toxic air pollutant(s) from the facility, including fugitive emissions, will not exceed the toxic permit emission rate(s) (TPERs) specified in 15A NCAC 02Q .0711.
 - i. A permit to emit any of the below listed TAPs shall be required for this facility if actual emissions from all sources will become greater than the corresponding TPER.
 - ii. **PRIOR** to exceeding any of these listed TPERs, the Permittee shall be responsible for obtaining a permit to emit TAPS and for demonstrating compliance with the requirements of 15A NCAC 02D.1100.
 - iii. In accordance with the approved application, the Permittee shall maintain records of operational information demonstrating that the toxic air pollutant emissions do not exceed the TPERs as listed below:

Pollutant (CAS Number)	TPERs Limitations			
	Carcinogens (lb/yr)	Chronic Toxicants (lb/day)	Acute Systemic Toxicants (lb/hr)	Acute Irritants (lb/hr)
Acetaldehyde (75-07-0)				6.8
1,4-Dioxane (123-91-1)		12		
Formaldehyde (50-00-0)				0.04

3. 15A NCAC 02Q .0317: AVOIDANCE CONDITIONS for 15A NCAC 02D .1111: MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY

- a. In order to remain classified a minor source for hazardous air pollutants and avoid applicability of this regulation, facility-wide emissions of hazardous air pollutants shall be less than:
- 10 tons per consecutive 12-month period of each hazardous air pollutant, and
 - 25 tons per consecutive 12-month period of all hazardous air pollutants combined.
- The Permittee shall be deemed in noncompliance with this condition and 02D .1111 if the HAP emissions exceed this limit.

Monitoring/Recordkeeping [15A NCAC 02Q .0508(f)]

- b. To ensure compliance with the limits above, the Permittee shall maintain monthly records of all coal fired in this source (**ID No. ES-B3**) as follows:
- quantity of individual hazardous air pollutants in pounds used by the facility each month and for the 12-month period ending on that month, and
 - quantity of all hazardous air pollutants in pounds used by the plant each month and for the 12-month period ending on that month.
- Monthly emissions of hydrochloric acid shall be determined by calculation from the chlorine content of each coal lot as determined by analytical testing by the supplier in accordance with ASTM Method D-2361 and the amount of coal received with the associated lot.
- c. To ensure compliance with the limits above, the Permittee shall maintain monthly records of all dyes and coatings processed in these sources (**ID Nos. ES-CDR1, ES-CDR2, ES-CR1, ES-D6, and ES-RD**) as follows:
- quantity of individual hazardous air pollutants in pounds used by the facility each month and for the 12-month period ending on that month, and
 - quantity of all hazardous air pollutants in pounds used by the plant each month and for the 12-month period ending on that month.
- Monthly emissions of hazardous air pollutants shall be determined by calculation of the hazardous air pollutant MSDS content of the dye or latex coating consumed and the quantity of the dyes and the latex consumed.
- d. The Permittee shall keep a record of the applicability determination on site at the source for a period of five years after the determination, or until the source becomes an affected source. The determination must include the analysis demonstrating why the Permittee believes the source is unaffected pursuant to 40 CFR 63.10(b)(3). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the records are not maintained.

Reporting [15A NCAC 02Q .0508(f)]

- e. The Permittee shall submit a semiannual summary report, acceptable to the Regional Air Quality Supervisor, of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. The report shall contain the following records:
 - i. quantity of coal received and consumed
 - A. for each month during the semiannual period, and
 - B. for each 12-month period ending on each month during the semiannual period using a 12-month rolling total;
 - ii. quantity of all dyes and coatings consumed,
 - A. for each month during the semiannual period, and
 - B. for each 12-month period ending on each month during the semiannual period using a 12-month rolling total;
 - iii. greatest quantity in pounds of an individual hazardous air pollutant,
 - A. for each month during the semiannual period, and
 - B. for each 12-month period ending on each month during the semiannual period using a 12-month rolling total; and
 - iv. pounds of all hazardous air pollutants used,
 - A. for each month during the semiannual period, and
 - B. for each 12-month period ending on each month during the semiannual period using a 12-month rolling total.

2.3 - Permit Shield for Non-Applicable Requirements

- a. Pursuant to 15A NCAC 02Q .0512(a)(1)(B) "Permit Shield and Application Shield," with the issuance of this permit (05825T11), the following stipulation of non-applicability has been made:
 - i. 15A NCAC 02D .0524 does not apply to this source (**ID No. ES-B3**) because it has been determined to not meet the applicability requirements of 15A NCAC 02D .0524, New Source Performance Standards as promulgated in 40 CFR Subpart 60, Subpart Dc.
- b. Pursuant to 15A NCAC 02Q .0512(a)(1)(B) "Permit Shield and Application Shield," with the issuance of this permit (05825T11), the following stipulation of non-applicability has been made:
 - i. 15A NCAC 02D .0614 does not apply to these sources (**ID Nos. ES-CS1 and ES-AS1**) because each source's potential pre-control emissions do not exceed the major source thresholds for that pollutant [40 CFR 64.2(a)(3)]. Therefore, CAM has been determined to not be applicable to these specific sources or their associated control devices.

SECTION 3 - GENERAL CONDITIONS (version 5.1, 08/03/2017)

This section describes terms and conditions applicable to this Title V facility.

A. **General Provisions** [NCGS 143-215 and 15A NCAC 02Q .0508(i)(16)]

1. Terms not otherwise defined in this permit shall have the meaning assigned to such terms as defined in 15A NCAC 02D and 02Q.
2. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to NCGS 143-215.114A and 143-215.114B, including assessment of civil and/or criminal penalties. Any unauthorized deviation from the conditions of this permit may constitute grounds for revocation and/or enforcement action by the DAQ.
3. This permit is not a waiver of or approval of any other Department permits that may be required for other aspects of the facility which are not addressed in this permit.
4. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted facility, or from penalties therefore, nor does it allow the Permittee to cause pollution in contravention of state laws or rules, unless specifically authorized by an order from the North Carolina Environmental Management Commission.
5. Except as identified as state-only requirements in this permit, all terms and conditions contained herein shall be enforceable by the DAQ, the EPA, and citizens of the United States as defined in the Federal Clean Air Act.
6. Any stationary source of air pollution shall not be operated, maintained, or modified without the appropriate and valid permits issued by the DAQ, unless the source is exempted by rule. The DAQ may issue a permit only after it receives reasonable assurance that the installation will not cause air pollution in violation of any of the applicable requirements. A permitted installation may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of this permit.

B. **Permit Availability** [15A NCAC 02Q .0507(k) and .0508(i)(9)(B)]

The Permittee shall have available at the facility a copy of this permit and shall retain for the duration of the permit term one complete copy of the application and any information submitted in support of the application package. The permit and application shall be made available to an authorized representative of Department of Environmental Quality upon request.

C. **Severability Clause** [15A NCAC 02Q .0508(i)(2)]

In the event of an administrative challenge to a final and binding permit in which a condition is held to be invalid, the provisions in this permit are severable so that all requirements contained in the permit, except those held to be invalid, shall remain valid and must be complied with.

D. **Submissions** [15A NCAC 02Q .0507(e) and 02Q .0508(i)(16)]

Except as otherwise specified herein, two copies of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to the appropriate Regional Office. Refer to the Regional Office address on the cover page of this permit. For continuous emissions monitoring systems (CEMS) reports, continuous opacity monitoring systems (COMS) reports, quality assurance (QA)/quality control (QC) reports, acid rain CEM certification reports, and NOx budget CEM certification reports, one copy shall be sent to the appropriate Regional Office and one copy shall be sent to:

Supervisor, Stationary Source Compliance
North Carolina Division of Air Quality
1641 Mail Service Center
Raleigh, NC 27699-1641

All submittals shall include the facility name and Facility ID number (refer to the cover page of this permit).

E. **Duty to Comply** [15A NCAC 02Q .0508(i)(3)]

The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition except conditions identified as state-only requirements constitutes a violation of the Federal Clean Air Act. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

F. **Circumvention** - STATE ENFORCEABLE ONLY

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

G. **Permit Modifications**

1. Administrative Permit Amendments [15A NCAC 02Q .0514]

The Permittee shall submit an application for an administrative permit amendment in accordance with 15A NCAC 02Q .0514.

2. Transfer in Ownership or Operation and Application Submittal Content [15A NCAC 02Q .0524 and 02Q .0505]

The Permittee shall submit an application for an ownership change in accordance with 15A NCAC 02Q.0524 and 02Q .0505.

3. Minor Permit Modifications [15A NCAC 02Q .0515]

The Permittee shall submit an application for a minor permit modification in accordance with 15A NCAC 02Q .0515.

4. Significant Permit Modifications [15A NCAC 02Q .0516]

The Permittee shall submit an application for a significant permit modification in accordance with 15A NCAC 02Q .0516.

5. Reopening for Cause [15A NCAC 02Q .0517]

The Permittee shall submit an application for reopening for cause in accordance with 15A NCAC 02Q .0517.

H. **Changes Not Requiring Permit Modifications**

1. Reporting Requirements

Any of the following that would result in new or increased emissions from the emission source(s) listed in Section 1 must be reported to the Regional Supervisor, DAQ:

- a. changes in the information submitted in the application;
- b. changes that modify equipment or processes; or
- c. changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

2. Section 502(b)(10) Changes [15A NCAC 02Q .0523(a)]

- a. "Section 502(b)(10) changes" means changes that contravene an express permit term or condition. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
- b. The Permittee may make Section 502(b)(10) changes without having the permit revised if:
 - i. the changes are not a modification under Title I of the Federal Clean Air Act;
 - ii. the changes do not cause the allowable emissions under the permit to be exceeded;

- iii. the Permittee notifies the Director and EPA with written notification at least seven days before the change is made; and
 - iv. the Permittee shall attach the notice to the relevant permit.
 - c. The written notification shall include:
 - i. a description of the change;
 - ii. the date on which the change will occur;
 - iii. any change in emissions; and
 - iv. any permit term or condition that is no longer applicable as a result of the change.
 - d. Section 502(b)(10) changes shall be made in the permit the next time that the permit is revised or renewed, whichever comes first.
- 3. Off Permit Changes [15A NCAC 02Q .0523(b)]
 The Permittee may make changes in the operation or emissions without revising the permit if:
 - a. the change affects only insignificant activities and the activities remain insignificant after the change; or
 - b. the change is not covered under any applicable requirement.
- 4. Emissions Trading [15A NCAC 02Q .0523(c)]
 To the extent that emissions trading is allowed under 15A NCAC 02D, including subsequently adopted maximum achievable control technology standards, emissions trading shall be allowed without permit revision pursuant to 15A NCAC 02Q .0523(c).

I.A Reporting Requirements for Excess Emissions and Permit Deviations [15A NCAC 02D .0535(f) and 02Q .0508(f)(2)]

“Excess Emissions” - means an emission rate that exceeds any applicable emission limitation or standard allowed by any rule in Sections .0500, .0900, .1200, or .1400 of Subchapter 02D; or by a permit condition; or that exceeds an emission limit established in a permit issued under 15A NCAC 02Q .0700. (*Note: Definitions of excess emissions under 02D .1110 and 02D .1111 shall apply where defined by rule.*)

“Deviations” - for the purposes of this condition, any action or condition not in accordance with the terms and conditions of this permit including those attributable to upset conditions as well as excess emissions as defined above lasting less than four hours.

Excess Emissions

- 1. If a source is required to report excess emissions under NSPS (15A NCAC 02D .0524), NESHAPS (15A NCAC 02D .1110 or .1111), or the operating permit provides for periodic (e.g., quarterly) reporting of excess emissions, reporting shall be performed as prescribed therein.
- 2. If the source is not subject to NSPS (15A NCAC 02D .0524), NESHAPS (15A NCAC 02D .1110 or .1111), or these rules do NOT define "excess emissions," the Permittee shall report excess emissions in accordance with 15A NCAC 02D .0535 as follows:
 - a. Pursuant to 15A NCAC 02D .0535, if excess emissions last for more than four hours resulting from a malfunction, a breakdown of process or control equipment, or any other abnormal condition, the owner or operator shall:
 - i. notify the Regional Supervisor or Director of any such occurrence by 9:00 a.m. Eastern Time of the Division's next business day of becoming aware of the occurrence and provide:
 - name and location of the facility;
 - nature and cause of the malfunction or breakdown;
 - time when the malfunction or breakdown is first observed;
 - expected duration; and
 - estimated rate of emissions;
 - ii. notify the Regional Supervisor or Director immediately when corrective measures have been accomplished; and
 - iii. submit to the Regional Supervisor or Director within 15 days a written report as described in 15A NCAC 02D .0535(f)(3).

Permit Deviations

3. Pursuant to 15A NCAC 02Q .0508(f)(2), the Permittee shall report deviations from permit requirements (terms and conditions) as follows:
 - a. Notify the Regional Supervisor or Director of all other deviations from permit requirements not covered under 15A NCAC 02D .0535 quarterly. A written report to the Regional Supervisor shall include the probable cause of such deviation and any corrective actions or preventative actions taken. The responsible official shall certify all deviations from permit requirements.

I.B Other Requirements under 15A NCAC 02D .0535

The Permittee shall comply with all other applicable requirements contained in 15A NCAC 02D .0535, including 15A NCAC 02D .0535(c) as follows:

1. Any excess emissions that do not occur during start-up and shut-down shall be considered a violation of the appropriate rule unless the owner or operator of the sources demonstrates to the Director, that the excess emissions are a result of a malfunction. The Director shall consider, along with any other pertinent information, the criteria contained in 15A NCAC 02D .0535(c)(1) through (7).
2. 15A NCAC 02D .0535(g). Excess emissions during start-up and shut-down shall be considered a violation of the appropriate rule if the owner or operator cannot demonstrate that excess emissions are unavoidable.

J. Emergency Provisions [40 CFR 70.6(g)]

The Permittee shall be subject to the following provisions with respect to emergencies:

1. An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
2. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in 3. below are met.
3. The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that include information as follows:
 - a. an emergency occurred and the Permittee can identify the cause(s) of the emergency;
 - b. the permitted facility was at the time being properly operated;
 - c. during the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the standards or other requirements in the permit; and
 - d. the Permittee submitted notice of the emergency to the DAQ within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
5. This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

K. Permit Renewal [15A NCAC 02Q .0508(e) and 02Q .0513(b)]

This 15A NCAC 02Q .0500 permit is issued for a fixed term not to exceed five years and shall expire at the end of its term. Permit expiration terminates the facility's right to operate unless a complete 15A NCAC 02Q .0500 renewal application is submitted at least nine months before the date of permit expiration. If the Permittee or applicant has complied with 15A NCAC 02Q .0512(b)(1), this 15A NCAC 02Q .0500 permit shall not expire until the renewal permit has been issued or denied. Permit expiration under 15A NCAC 02Q .0400 terminates the facility's right to operate unless a complete 15A NCAC 02Q .0400 renewal application is submitted at least six months before the date of permit expiration for facilities subject to 15A NCAC 02Q

.0400 requirements. In either of these events, all terms and conditions of these permits shall remain in effect until the renewal permits have been issued or denied.

L. **Need to Halt or Reduce Activity Not a Defense** [15A NCAC 02Q .0508(i)(4)]

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

M. **Duty to Provide Information (submittal of information)** [15A NCAC 02Q .0508(i)(9)]

1. The Permittee shall furnish to the DAQ, in a timely manner, any reasonable information that the Director may request in **writing** to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.
2. The Permittee shall furnish the DAQ copies of records required to be kept by the permit when such copies are requested by the Director. For information claimed to be confidential, the Permittee may furnish such records directly to the EPA upon request along with a claim of confidentiality.

N. **Duty to Supplement** [15A NCAC 02Q .0507(f)]

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the DAQ. The Permittee shall also provide additional information as necessary to address any requirement that becomes applicable to the facility after the date a complete permit application was submitted but prior to the release of the draft permit.

O. **Retention of Records** [15A NCAC 02Q .0508(f) and 02Q .0508 (l)]

The Permittee shall retain records of all required monitoring data and supporting information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring information, and copies of all reports required by the permit. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request.

P. **Compliance Certification** [15A NCAC 02Q .0508(n)]

The Permittee shall submit to the DAQ and the EPA (Air and EPCRA Enforcement Branch, EPA, Region 4, 61 Forsyth Street SW, Atlanta, GA 30303) postmarked on or before March 1 a compliance certification (for the preceding calendar year) by a responsible official with all federally-enforceable terms and conditions in the permit, including emissions limitations, standards, or work practices. It shall be the responsibility of the current owner to submit a compliance certification for the entire year regardless of who owned the facility during the year. The compliance certification shall comply with additional requirements as may be specified under Sections 114(a)(3) or 504(b) of the Federal Clean Air Act. The compliance certification shall specify:

1. the identification of each term or condition of the permit that is the basis of the certification;
2. the compliance status (with the terms and conditions of the permit for the period covered by the certification);
3. whether compliance was continuous or intermittent; and
4. the method(s) used for determining the compliance status of the source during the certification period.

Q. **Certification by Responsible Official** [15A NCAC 02Q .0520]

A responsible official shall certify the truth, accuracy, and completeness of any application form, report, or compliance certification required by this permit. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

R. **Permit Shield for Applicable Requirements** [15A NCAC 02Q .0512]

1. Compliance with the terms and conditions of this permit shall be deemed compliance with applicable requirements, where such applicable requirements are included and specifically identified in the permit as of the date of permit issuance.
2. A permit shield shall not alter or affect:
 - a. the power of the Commission, Secretary of the Department, or Governor under NCGS 143-215.3(a)(12), or EPA under Section 303 of the Federal Clean Air Act;
 - b. the liability of an owner or operator of a facility for any violation of applicable requirements prior to the effective date of the permit or at the time of permit issuance;
 - c. the applicable requirements under Title IV; or
 - d. the ability of the Director or the EPA under Section 114 of the Federal Clean Air Act to obtain information to determine compliance of the facility with its permit.
3. A permit shield does not apply to any change made at a facility that does not require a permit or permit revision made under 15A NCAC 02Q .0523.
4. A permit shield does not extend to minor permit modifications made under 15A NCAC 02Q .0515.

S. **Termination, Modification, and Revocation of the Permit** [15A NCAC 02Q .0519]

The Director may terminate, modify, or revoke and reissue this permit if:

1. the information contained in the application or presented in support thereof is determined to be incorrect;
2. the conditions under which the permit or permit renewal was granted have changed;
3. violations of conditions contained in the permit have occurred;
4. the EPA requests that the permit be revoked under 40 CFR 70.7(g) or 70.8(d); or
5. the Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

T. **Insignificant Activities** [15A NCAC 02Q .0503]

Because an emission source or activity is insignificant does not mean that the emission source or activity is exempted from any applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement. The Permittee shall have available at the facility at all times and made available to an authorized representative upon request, documentation, including calculations, if necessary, to demonstrate that an emission source or activity is insignificant.

U. **Property Rights** [15A NCAC 02Q .0508(i)(8)]

This permit does not convey any property rights in either real or personal property or any exclusive privileges.

V. **Inspection and Entry** [15A NCAC 02Q .0508(l) and NCGS 143-215.3(a)(2)]

1. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the DAQ, or an authorized representative, to perform the following:
 - a. enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
 - b. have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
 - c. inspect at reasonable times and using reasonable safety practices any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - d. sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.Nothing in this condition shall limit the ability of the EPA to inspect or enter the premises of the Permittee under Section 114 or other provisions of the Federal Clean Air Act.
2. No person shall refuse entry or access to any authorized representative of the DAQ who requests entry for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or

interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

W. **Annual Fee Payment** [15A NCAC 02Q .0508(i)(10)]

1. The Permittee shall pay all fees in accordance with 15A NCAC 02Q .0200.
2. Payment of fees may be by check or money order made payable to the N.C. Department of Environmental Quality. Annual permit fee payments shall refer to the permit number.
3. If, within 30 days after being billed, the Permittee fails to pay an annual fee, the Director may initiate action to terminate the permit under 15A NCAC 02Q .0519.

X. **Annual Emission Inventory Requirements** [15A NCAC 02Q .0207]

The Permittee shall report by **June 30 of each year** the actual emissions of each air pollutant listed in 15A NCAC 02Q .0207(a) from each emission source within the facility during the previous calendar year. The report shall be in or on such form as may be established by the Director. The accuracy of the report shall be certified by a responsible official of the facility.

Y. **Confidential Information** [15A NCAC 02Q .0107 and 02Q .0508(i)(9)]

Whenever the Permittee submits information under a claim of confidentiality pursuant to 15A NCAC 02Q .0107, the Permittee may also submit a copy of all such information and claim directly to the EPA upon request. All requests for confidentiality must be in accordance with 15A NCAC 02Q .0107.

Z. **Construction and Operation Permits** [15A NCAC 02Q .0100 and .0300]

A construction and operating permit shall be obtained by the Permittee for any proposed new or modified facility or emission source which is not exempted from having a permit prior to the beginning of construction or modification, in accordance with all applicable provisions of 15A NCAC 02Q .0100 and .0300.

AA. **Standard Application Form and Required Information** [15A NCAC 02Q .0505 and .0507]

The Permittee shall submit applications and required information in accordance with the provisions of 15A NCAC 02Q .0505 and .0507.

BB. **Financial Responsibility and Compliance History** [15A NCAC 02Q .0507(d)(4)]

The DAQ may require an applicant to submit a statement of financial qualifications and/or a statement of substantial compliance history.

CC. **Refrigerant Requirements (Stratospheric Ozone and Climate Protection)** [15A NCAC 02Q .0501(e)]

1. If the Permittee has appliances or refrigeration equipment, including air conditioning equipment, which use Class I or II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR Part 82 Subpart A Appendices A and B, the Permittee shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82 Subpart F.
2. The Permittee shall not knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR Part 82 Subpart F.
3. The Permittee shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the EPA or its designee as required.

DD. **Prevention of Accidental Releases - Section 112(r)** [15A NCAC 02Q .0508(h)]

If the Permittee is required to develop and register a Risk Management Plan with EPA pursuant to Section 112(r) of the Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

EE. Prevention of Accidental Releases General Duty Clause - Section 112(r)(1) – FEDERALLY-ENFORCEABLE ONLY

Although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release.

FF. Title IV Allowances [15A NCAC 02Q .0508(i)(1)]

This permit does not limit the number of Title IV allowances held by the Permittee, but the Permittee may not use allowances as a defense to noncompliance with any other applicable requirement. The Permittee's emissions may not exceed any allowances that the facility lawfully holds under Title IV of the Federal Clean Air Act.

GG. Air Pollution Emergency Episode [15A NCAC 02D .0300]

Should the Director of the DAQ declare an Air Pollution Emergency Episode, the Permittee will be required to operate in accordance with the Permittee's previously approved Emission Reduction Plan or, in the absence of an approved plan, with the appropriate requirements specified in 15A NCAC 02D .0300.

HH. Registration of Air Pollution Sources [15A NCAC 02D .0202]

The Director of the DAQ may require the Permittee to register a source of air pollution. If the Permittee is required to register a source of air pollution, this registration and required information will be in accordance with 15A NCAC 02D .0202(b).

II. Ambient Air Quality Standards [15A NCAC 02D .0501(c)]

In addition to any control or manner of operation necessary to meet emission standards specified in this permit, any source of air pollution shall be operated with such control or in such manner that the source shall not cause the ambient air quality standards in 15A NCAC 02D .0400 to be exceeded at any point beyond the premises on which the source is located. When controls more stringent than named in the applicable emission standards in this permit are required to prevent violation of the ambient air quality standards or are required to create an offset, the permit shall contain a condition requiring these controls.

JJ. General Emissions Testing and Reporting Requirements [15A NCAC 02Q .0508(i)(16)]

Emission compliance testing shall be by the procedures of Section .2600, except as may be otherwise required in Rules .0524, .0912, .1110, .1111, or .1415 of Subchapter 02D. If emissions testing is required by this permit or the DAQ or if the Permittee submits emissions testing to the DAQ to demonstrate compliance, the Permittee shall perform such testing in accordance with 15A NCAC 02D .2600 and follow the procedures outlined below:

1. The owner or operator of the source shall arrange for air emission testing protocols to be provided to the Director prior to air pollution testing. Testing protocols are not required to be pre-approved by the Director prior to air pollution testing. The Director shall review air emission testing protocols for pre-approval prior to testing if requested by the owner or operator at least **45 days** before conducting the test.
2. Any person proposing to conduct an emissions test to demonstrate compliance with an applicable standard shall notify the Director at least **15 days** before beginning the test so that the Director may at his option observe the test.
3. The owner or operator of the source shall arrange for controlling and measuring the production rates during the period of air testing. The owner or operator of the source shall ensure that the equipment or process being tested is operated at the production rate that best fulfills the purpose of the test. The individual conducting the emission test shall describe the procedures used to obtain accurate process data and include in the test report the average production rates determined during each testing period.
4. Two copies of the final air emission test report shall be submitted to the Director not later than **30 days** after sample collection unless otherwise specified in the specific conditions. The owner or operator may

request an extension to submit the final test report. The Director shall approve an extension request if he finds that the extension request is a result of actions beyond the control of the owner or operator.

- a. The Director shall make the final determination regarding any testing procedure deviation and the validity of the compliance test. The Director may:
 - i. Allow deviations from a method specified under a rule in this Section if the owner or operator of the source being tested demonstrates to the satisfaction of the Director that the specified method is inappropriate for the source being tested.
 - ii. Prescribe alternate test procedures on an individual basis when he finds that the alternative method is necessary to secure more reliable test data.
 - iii. Prescribe or approve methods on an individual basis for sources or pollutants for which no test method is specified in this Section if the methods can be demonstrated to determine compliance of permitted emission sources or pollutants.
- b. The Director may authorize the Division of Air Quality to conduct independent tests of any source subject to a rule in this Subchapter to determine the compliance status of that source or to verify any test data submitted relating to that source. Any test conducted by the Division of Air Quality using the appropriate testing procedures described in Section 02D .2600 has precedence over all other tests.

KK. Reopening for Cause [15A NCAC 02Q .0517]

1. A permit shall be reopened and revised under the following circumstances:
 - a. additional applicable requirements become applicable to a facility with remaining permit term of three or more years;
 - b. additional requirements (including excess emission requirements) become applicable to a source covered by Title IV;
 - c. the Director or EPA finds that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
 - d. the Director or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
2. Any permit reopening shall be completed or a revised permit issued within 18 months after the applicable requirement is promulgated. No reopening is required if the effective date of the requirement is after the expiration of the permit term unless the term of the permit was extended pursuant to 15A NCAC 02Q .0513(c).
3. Except for the state-enforceable only portion of the permit, the procedures set out in 15A NCAC 02Q .0507, .0521, or .0522 shall be followed to reissue the permit. If the State-enforceable only portion of the permit is reopened, the procedures in 15A NCAC 02Q .0300 shall be followed. The proceedings shall affect only those parts of the permit for which cause to reopen exists.
4. The Director shall notify the Permittee at least 60 days in advance of the date that the permit is to be reopened, except in cases of imminent threat to public health or safety the notification period may be less than 60 days.
5. Within 90 days, or 180 days if the EPA extends the response period, after receiving notification from the EPA that a permit needs to be terminated, modified, or revoked and reissued, the Director shall send to the EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate.

LL. Reporting Requirements for Non-Operating Equipment [15A NCAC 02Q .0508(i)(16)]

The Permittee shall maintain a record of operation for permitted equipment noting whenever the equipment is taken from and placed into operation. When permitted equipment is not in operation, the requirements for testing, monitoring, and recordkeeping are suspended until operation resumes.

MM. Fugitive Dust Control Requirement [15A NCAC 02D .0540]

As required by 15A NCAC 02D .0540 "Particulates from Fugitive Dust Emission Sources," the Permittee shall not cause or allow fugitive dust emissions to cause or contribute to substantive complaints or excess visible emissions beyond the property boundary. If substantive complaints or excessive fugitive dust emissions from

the facility are observed beyond the property boundaries for six minutes in any one hour (using Reference Method 22 in 40 CFR, Appendix A), the owner or operator may be required to submit a fugitive dust plan as described in 02D .0540(f).

"Fugitive dust emissions" means particulate matter from process operations that does not pass through a process stack or vent and that is generated within plant property boundaries from activities such as: unloading and loading areas, process areas, stockpiles, stock pile working, plant parking lots, and plant roads (including access roads and haul roads).

NN. Specific Permit Modifications [15A NCAC 02Q .0501 and .0523]

1. For modifications made pursuant to 15A NCAC 02Q .0501(c)(2), the Permittee shall file a Title V Air Quality Permit Application for the air emission source(s) and associated air pollution control device(s) on or before 12 months after commencing operation.
2. For modifications made pursuant to 15A NCAC 02Q .0501(d)(2), the Permittee shall not begin operation of the air emission source(s) and associated air pollution control device(s) until a Title V Air Quality Permit Application is filed and a construction and operation permit following the procedures of Section .0500 (except for Rule .0504 of this Section) is obtained.
3. For modifications made pursuant to 502(b)(10), in accordance with 15A NCAC 02Q .0523(a)(1)(C), the Permittee shall notify the Director and EPA (EPA - Air Planning Branch, 61 Forsyth Street SW, Atlanta, GA 30303) in writing at least seven days before the change is made. The written notification shall include:
 - a. a description of the change at the facility;
 - b. the date on which the change will occur;
 - c. any change in emissions; and
 - d. any permit term or condition that is no longer applicable as a result of the change.

In addition to this notification requirement, with the next significant modification or Air Quality Permit renewal, the Permittee shall submit a page "E5" of the application forms signed by the responsible official verifying that the application for the 502(b)(10) change/modification, is true, accurate, and complete. Further note that modifications made pursuant to 502(b)(10) do not relieve the Permittee from satisfying preconstruction requirements.

OO. Third Party Participation and EPA Review [15A NCAC 02Q .0521, .0522 and .0525(7)]

For permits modifications subject to 45-day review by the federal Environmental Protection Agency (EPA), EPA's decision to not object to the proposed permit is considered final and binding on the EPA and absent a third party petition, the failure to object is the end of EPA's decision-making process with respect to the revisions to the permit. The time period available to submit a public petition pursuant to 15A NCAC 02Q .0518 begins at the end of the 45-day EPA review period.

ATTACHMENT

List of Acronyms

AOS	Alternate Operating Scenario
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CAIR	Clean Air Interstate Rule
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
DAQ	Division of Air Quality
DEQ	Department of Environmental Quality
EMC	Environmental Management Commission
EPA	Environmental Protection Agency
FR	Federal Register
GACT	Generally Available Control Technology
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
NAA	Non-Attainment Area
NCAC	North Carolina Administrative Code
NCGS	North Carolina General Statutes
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standard
OAH	Office of Administrative Hearings
PM	Particulate Matter
PM₁₀	Particulate Matter with Nominal Aerodynamic Diameter of 10 Micrometers or Less
POS	Primary Operating Scenario
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO₂	Sulfur Dioxide
tpy	Tons Per Year
VOC	Volatile Organic Compound